
7. Granite

Program Name: Granite.java

Input File: granite.dat

George owns a landscaping business. One of the things customers buy is crushed granite which he sells in bulk by the cubic yard. He needs you to write an app that will give the customer the number of cubic yards he needs to buy to fill a space in his yard given the length and width of his space in feet and the depth in inches.

Input

The first line of input will contain a single integer n that indicates the number of yard spaces to follow. Each of the following n lines will contain three positive integers l w d , where l is the length in feet of the space, w is the width in feet of the space, and d is the depth in inches of the space to be filled with crushed granite.

Output

For each yard space, you will print on a single line the number of cubic yards of crushed granite the customer will need to buy to fill the space in his landscape.

Example Input File

```
4
13 4 5
18 10 4
12 17 6
24 13 3
```

Example Output to Screen

```
1
3
4
3
```